

WHAT IS CLAIMED IS:

1. An aqueous developer solution for use in digital film processing, comprising:
 - a developing agent; and
 - at least one surfactant or thickener.
2. The developer solution of claim 1, wherein said developer solution includes at least one surfactant and at least one thickener.
3. The developer solution of claim 1, wherein said developer solution has a surface tension of less than about 30 dynes/cm.
4. The developer solution of claim 1, wherein the viscosity of said developer solution is between about 5,000 and about 30,000 cP.
5. The developer solution of claim 2, wherein said surfactant comprises a fluorosurfactant.
6. The developer solution of claim 1, wherein said developer solution comprises a buffered solution having a pH greater than or equal to about 8.
7. The developer solution of claim 6, further comprising at least one activator.
8. The developer solution of claim 6, further comprising at least one restrainer.
9. The developer solution of claim 6, further comprising at least one preservative.
10. The developer solution of claim 6, further comprising at least one antifoggant or accelerator.

11. The developer solution of claim 2, wherein said thickener comprises a solubilized cellulose.

12. The developer solution of claim 3, wherein said developer solution has a surface tension of less than about 25 dynes/cm.

13. The developer solution of claim 4, wherein the viscosity of said developer solution is between about 10,000 and about 20,000 cP.

14. The developer solution of claim 1, wherein said developing agent comprising a color developing agent which reduces exposed silver halide grains in photographic film to metallic silver, and reacts with one or more dye precursors in photographic film to form a dye image.

15. The developer solution of claim 14, further comprising a developing agent which is not a color developing agent.

16. The developer solution of claim 1, wherein said developer solution comprises a non-Newtonian fluid.

17. A method of processing a photographic film, comprising:

- (a) coating an aqueous developer solution containing at least one surfactant or thickener onto said film, thereby developing said film; and
- (b) scanning said film through the coating of developer solution.

18. The method of claim 17, wherein said developer solution comprises at least one surfactant.

19. The method of claim 18, wherein said developer solution comprises at least one thickener.

20. The method of claim 19, wherein said developer solution has a surface tension of less than about 30 dynes/cm.

21. The method of claim 19, wherein the viscosity of said developer solution is between about 5,000 and about 30,000 cP.

22. The method of claim 18, wherein said surfactant comprises a fluorosurfactant.

23. The method of claim 19, wherein said developer solution comprises a buffered solution having a pH greater than or equal to about 8.

24. The method of claim 19, wherein said thickener comprises a solubilized cellulose.

25. The method of claim 20, wherein said developer solution has a surface tension of less than about 25 dynes/cm.

26. The method of claim 21, wherein the viscosity of said developer solution is between about 10,000 and about 20,000 cP.

27. The method of claim 17, further comprising the step of coating at least one additional processing solution onto said film.

28. The method of claim 27, wherein said additional processing solution is chosen from the group consisting of: a stop solution, an inhibitor solution, an accelerator solution, a bleach solution, a fixer solution, a blix solution, and a stabilizer solution.

29. The method of claim 28, wherein said additional processing solution is coated onto said film prior to said scanning step.

30. The method of claim 28, wherein said additional processing solution has a surface

tension of less than about 30 dynes/cm.

31. The method of claim 28, wherein the viscosity of said additional processing solution is between about 10,000 and about 30,000 cP.

32. A film processing system comprising:

a film loader operable to receive exposed film;

an applicator operable to coat 100-10,000 micrometers of a developer solution onto the film, wherein the developer solution includes a developing agent and at least one surfactant or thickener; and

5 a scanning system operable to digitize at least one image contained on the film and produce at least one digital image.

33. The film processing system of Claim 32, wherein the scanning system operates to digitize at least one image contained on the film through the coating of developer solution.

34. The film processing system of Claim 33, wherein the developer solution is a liquid.

35. The film processing system of Claim 32, wherein the scanning system operates to digitize at least one image contained on the film with light within at least a portion of the visible portion of the electromagnetic spectrum.

36. The film processing system of Claim 35, wherein the scanning system also operates to digitize the at least one image contained on the film with light within the infrared portion of the electromagnetic spectrum.

37. The film processing system of Claim 32, wherein the developer solution has a surface tension of less than about 30 dynes/cm.

38. The film processing system of Claim 32, wherein the developer solution has a viscosity between about 5,000 and about 30,000 cP.

39. The film processing system of Claim 32, further comprising a halt station operable to apply at least one additional processing solution onto the film.

40. The film processing system of Claim 39, wherein the at least one additional processing solution is chosen from the group consisting of: a stop solution, an inhibitor solution, an accelerator solution, a bleach solution, a fixer solution, a blix solution, and a stabilizer solution.

41. The film processing system of Claim 32, further comprising a development station operable to control the temperature and humidity of the film after the application of the developer solution.

42. The film processing system of Claim 32, further comprising a printer operable to print the at least one digital image.

43. The film processing system of Claim 42, wherein the printer is an ink jet type of printer.

44. The film processing system of Claim 32, further comprising a communication system operable to communicate the at least one digital image over a network.

45. The film processing system of Claim 44, wherein the network comprises the Internet.

46. The film processing system of Claim 32, further comprising a memory device operable to store the at least one digital image.

47. The film processing system of Claim 46, wherein the memory device is chosen from the group consisting of: a CD, a DVD, a removable hard drive; and an optical disk.

48. The film processing system of Claim 32, wherein the film processing system is embodied as a self-service kiosk.

49. The film processing system of Claim 32, wherein the film processing system is embodied as a photolab.

50. A method for processing film comprising:
receiving an exposed film;
coating 100-10,000 micrometers of a developer solution onto the film, wherein the developer solution has a viscosity between about 5,000 and about 30,000 cP;
5 illuminating the film with light;
measuring a light intensity from the film and producing sensor data; and
processing the sensor data to produce at least one digital image.

51. The method of Claim 50, wherein the film is illuminated through the coating of developer solution.

52. The method of Claim 50, wherein the light is within at least a portion of the visible portion of the electromagnetic spectrum.

53. The method of Claim 52, wherein the light is also within the infrared portion of the electromagnetic spectrum.

54. The method of Claim 50, wherein the developer solution has a surface tension of less than about 30 dynes/cm.

55. The method of Claim 50, further comprising applying at least one additional processing solution onto the film.

56. The method of Claim 55, wherein the at least one additional processing solution is chosen from the group consisting of: a stop solution, an inhibitor solution, an accelerator solution, a bleach solution, a fixer solution, a blix solution, and a stabilizer solution.

57. The method of Claim 50, further comprising controlling the temperature and humidity of the film after coating the film with developer solution.

58. The method of Claim 50, further comprising printing at least one digital image.

59. The method of Claim 50, further comprising communicating the at least one digital image over a network.

60. The method of Claim 59, wherein the network comprises the Internet.

61. The method of Claim 50, further comprising storing the at least one digital image on a memory device.

62. The method of Claim 61, wherein the memory device is chosen from the group consisting of: a CD, a DVD, a removable hard drive; and an optical disk.